

Converting Colors

$Yxy(35.1384, 0.2596, 0.3596)$

Have a look what the booklet for
Yxy(35.1384, 0.2596, 0.3596)
contains.

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Color

$\text{Yxy}(35.1205, 0.2591, 0.3591)$

Conversions

Conversions Part 1

Format	Color
Hex	57AF9D
RGB	87, 175, 157
RGB Percent	34%, 69%, 62%
CMY	0.6591, 0.3137, 0.3843
CMYK	0.50, 0.00, 0.10, 0.31
HSL	168°, 36%, 51%
HSV	168°, 50%, 69%
XYZ	25.3404, 35.1205, 37.3406
YIQ	146.6360, -46.6700, -24.2540

Conversions

Conversions Part 2

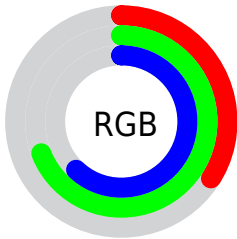
Format	Color
RYB	87, 136, 175
Decimal	5746589
CIELab	65.84, -30.96, 1.12
CIELCh	66, 30.982, 177.937
Yxy	35.1205, 0.2591, 0.3591
Android (android.graphics.Color)	4283936669 (0xFF57AF9D)
YUV	146.6360, 5.1095, -52.3008
Hunter-Lab	59.2626, -27.3838, 4.1259

Details

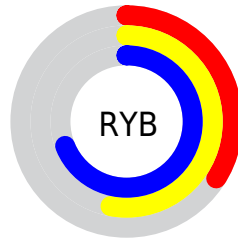
The Yxy color **35.1205, 0.2591, 0.3591** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.9376, 0.4224, 0.3028**, and the grayscale version is **29.0051, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.6946, 0.2700, 0.3538**, and **15.1663, 0.2420, 0.3684** is the 20% darker color. If you saturate the color by 10%, you get **34.2596, 0.2523, 0.3662**, and if you desaturate by 10%, it is **36.1919, 0.2675, 0.3523**.

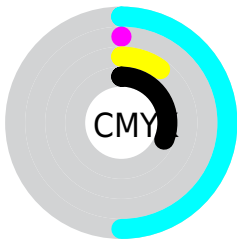
Distribution



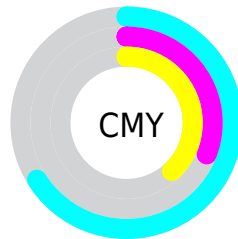
- Red (34%)
- Green (69%)
- Blue (62%)



- Red (34%)
- Yellow (53%)
- Blue (69%)



- Cyan (50%)
- Magenta (0%)
- Yellow (10%)
- Black (31%)





- Cyan (66%)
- Magenta (31%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.1205, 0.2591, 0.3591 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 35.1205, 0.2591, 0.3591 by changing the saturation by 10% instead.


 35.1205, 0.2591,
0.3591


 35.1205, 0.2591,
0.3591

325.0999, 0.2871,
0.3433

 23.7557, 0.2517,
0.3633


 67.6724, 0.2695,
0.3532

 15.1525, 0.2420,
0.3688


 89.6283, 0.2734,
0.3510

 8.9265, 0.2287,
0.3765


 115.8834, 0.2766,
0.3492

 4.6933, 0.2094,
0.3877

 146.8220, 0.2793,
0.3477

 2.0684, 0.1791,
0.4056

182.8285, 0.2817,
0.3463

 0.6468, 0.0000,
0.5081

224.2875, 0.2837,

 0.0000, 0.0000,

0.3452

0.0000

271.5831, 0.2855,
0.3442

■ 35.1205, 0.2591,
0.3591

■ 35.1205, 0.2591,
0.3591

■ 34.2596, 0.2523,
0.3662

■ 36.1919, 0.2675,
0.3523

■ 33.5900, 0.2473,
0.3735

■ 37.4832, 0.2774,
0.3458

■ 33.0959, 0.2442,
0.3809

■ 39.0081, 0.2883,
0.3398

■ 32.7572, 0.2430,
0.3883

■ 40.7781, 0.3000,
0.3342

■ 32.5358, 0.2432,
0.3954

■ 42.8040, 0.3123,
0.3292

■ 45.0957, 0.3249,
0.3246

■ 47.6628, 0.3376,
0.3205

■ 50.5144, 0.3502,
0.3169

■ 53.6590, 0.3625,
0.3138

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



35.1205, 0.3009, 0.3993



35.1205, 0.2591, 0.3591



35.1205, 0.2326, 0.3119

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



35.1205, 0.2591, 0.3591



35.1205, 0.2732, 0.2547



35.1205, 0.4071, 0.3736

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



35.1205, 0.2591, 0.3591



16.9376, 0.4224, 0.3028

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



35.1205, 0.3997, 0.3361



35.1205, 0.2591, 0.3591



35.1205, 0.3191, 0.2707

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



35.1205, 0.2591, 0.3591



35.1205, 0.2404, 0.2554



35.1205, 0.3665, 0.2996



35.1205, 0.3873, 0.4037

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



35.1205, 0.2591, 0.3591



35.1205, 0.2261, 0.2853



35.1205, 0.3665, 0.2996



35.1205, 0.4078, 0.3614

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



35.1219, 0.2591, 0.3591



71.4028, 0.2941, 0.3369



34.4166, 0.3201, 0.4791



15.7265, 0.2917, 0.3381



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



35.1219, 0.2591, 0.3591



61.2522, 0.2519, 0.3667



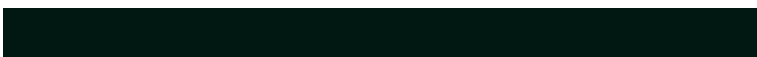
26.9479, 0.2399, 0.2864



9.0436, 0.3013, 0.3337



23.3050, 0.2429, 0.3946



0.6553, 0.2368, 0.3724

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



16.9376, 0.4224, 0.3028



25.0903, 0.4611, 0.2990



21.3642, 0.4316, 0.3662



8.0411, 0.3255, 0.3244



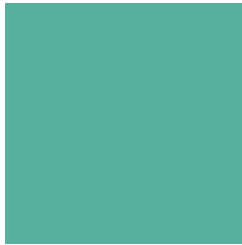
6.6245, 0.6028, 0.3094



0.1919, 0.5237, 0.2659

Previews

White Background



This preview shows how the Yxy color 35.1205, 0.2591, 0.3591 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 35.1205, 0.2591, 0.3591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

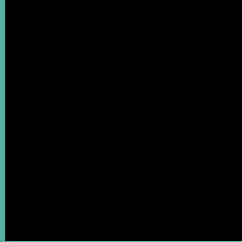
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.1205, 0.2591, 0.3591

Background



This preview shows how black text looks on a background with the Yxy color 35.1205, 0.2591, 0.3591.

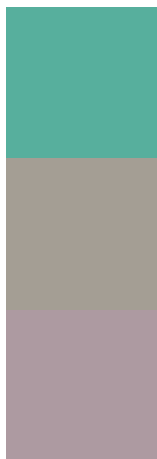


This preview shows how white text looks on a background with the Yxy color 35.1205, 0.2591, 0.3591.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

35.1205, 0.2591, 0.3591

Protanopia

34.4844, 0.3278, 0.3438

Deuteranopia

34.5686, 0.3252, 0.3191



Tritanopia

35.1154, 0.2459, 0.3068

Trichromacy



Original Color

35.1205, 0.2591, 0.3591

Protanomaly

34.0195, 0.2980, 0.3495

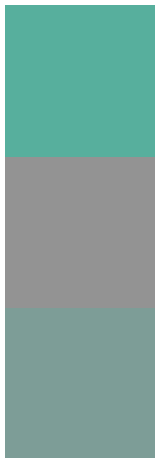
Deuteranomaly

34.1295, 0.2959, 0.3320

Tritanomaly

34.9273, 0.2505, 0.3240

Monochromacy



Original Color

35.1205, 0.2591, 0.3591

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

30.7083, 0.2880, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.1205, 0.2591, 0.3591 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(87, 175, 157)` looks like.

```
.text, #text, p{  
    color:rgb(87, 175, 157)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(87, 175, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 175, 157) }
```

Border

The CSS property to change the border of an element to Yxy 35.1205, 0.2591, 0.3591 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 175, 157) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(87, 175, 157) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(87, 175, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 175, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 175, 157);  
box-shadow:4px 4px 4px 4px rgb(87, 175,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 35.1205, 0.2591, 0.3591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 175, 157) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(87, 175,  
157) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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